What is claimed is:

1. A gas adsorption sheet having a granular activated carbon-containing sheet, said granular activated carboncontaining sheet comprising:

a granular activated carbon having an average particle diameter of 60 to 600 µm,

a supporting fiber for fixing the granular activated carbon in contact with it, and

an adhesive fiber which mainly contributes to shape retention.

- 2. The gas adsorption sheet according to claim 1, wherein the granular activated carbon-containing sheet comprises a surface layer and a back layer formed on the back of the surface layer, the surface layer containing less granular activated carbon than the back layer.
- 3. The gas adsorption sheet according to claim 2, wherein the granular activated carbon-containing sheet is integrally formed by wet bonding using a water-swelling fiber as the adhesive fiber.
- 4. The gas adsorption sheet according to claim 1, wherein an outer surface area of the supporting fiber is not more than 1 m^2/g , a fiber length thereof is from 3 to 20 mm and a density thereof is from 0.8 to 1.7 g/cc.
- 5. The gas adsorption sheet according to claim 1, wherein the granular activated carbon-containing sheet

contains the granular activated carbon in an amount of 30 to 80% by weight based on the total weight thereof.

- 6. The gas adsorption sheet according to claim 1, wherein the granular activated carbon-containing sheet is provided with small pores capable of substantially permeating an air in a thickness direction.
- 7. The gas adsorption sheet according to claim 6, wherein an average open area per one pore of the small pores is from 0.5 to $3~\text{mm}^2$.
- 8. The gas adsorption sheet according to claim 6, wherein the number of the small pores is from 1 to 20 per 1 cm^2 of the granular activated carbon-containing sheet.
- 9. The gas adsorption sheet according to claim 6, wherein a porosity of the small pores is from 3 to 10%.
- 10. The gas adsorption sheet according to claim 1, which further comprises an air-permeable sheet in addition to the granular activated carbon-containing sheet.
- 11. The gas adsorption sheet according to claim 10, wherein the air-permeable sheet is laminated on the back layer of the granular activated carbon-containing sheet.
- 12. The gas adsorption sheet according to claim 10, wherein the air-permeable sheet comprises a non-woven fabric made of a film split type electret fiber as a main component.
- 13. The gas adsorption sheet according to claim 12, wherein the air-permeable sheet is further provided with a

cover sheet in the form of a non-woven fabric, woven fabric or net.

- 14. The gas adsorption sheet according to claim 12, wherein a packing density of the air-permeable sheet is from 0.01 to 0.20 g/cc.
- 15. An air-purifying filter obtained by forming a gas adsorption sheet having a granular activated carbon-containing sheet into a shape of pleats or wave, said granular activated carbon-containing sheet comprising:

a granular activated carbon having an average particle diameter of 60 to 600 μm_{\star}

a supporting fiber for fixing the granular activated carbon in contact with it, and

an adhesive fiber which mainly contributes to shape retention.

16. An air-purifying filter obtained by forming a gas adsorption sheet having a granular activated carbon-containing sheet into a shape of pleats or wave, said granular activated carbon-containing sheet having small pores capable of substantially permeating an air in a thickness direction and comprising:

a granular activated carbon having an average particle diameter of 60 to 600 $\mu\text{m}\textsc{,}$

a supporting fiber for fixing the granular activated carbon in contact with it, and

an adhesive fiber which mainly contributes to shape retention.

17. An air-purifying filter obtained by forming a gas adsorption sheet having a granular activated carbon-containing sheet and an air-permeable sheet into a shape of pleats or wave, said granular activated carbon-containing sheet comprising:

a granular activated carbon having an average particle diameter of 60 to 600 $\mu\text{m}\textsc{,}$

a supporting fiber for fixing the granular activated carbon in contact with it, and

an adhesive fiber which mainly contributes to shape retention.

18. An air-purifying filter obtained by forming a gas adsorption sheet having a granular activated carbon-containing sheet and an air-permeable sheet into a shape of pleats or wave, said granular activated carbon-containing sheet comprising:

a granular activated carbon having an average particle diameter of 60 to 600 $\mu\text{m}\textsc{,}$

a supporting fiber for fixing the granular activated carbon in contact with it, and

an adhesive fiber which mainly contributes to shape retention.

and said air-permeable sheet being further provided with a

cover sheet in the form of a non-woven fabric, woven fabric or net.

- 19. The air-purifying filter according to claim 15, wherein a thickness of the filter formed is from 10 to 400 mm and a distance between crests is from 2 to 30 mm.
- 20. A method for producing a gas adsorption sheet, which comprises a step of forming a granular activated carbon-containing sheet, said step of forming a granular activated carbon-containing sheet comprising the steps of:

preparing an aqueous slurry containing a granular activated carbon having an average particle diameter of 60 to 600 μm , a supporting fiber and a water-swelling adhesive fiber,

spreading the aqueous slurry in a sheet-like form, and mechanically dewatering and drying the aqueous slurry spread.